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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/726,622	12/04/2003	Jong Han Park	P24639	5746	
7055	7590 05/10/2006		EXAMINER		
GREENBLUM & BERNSTEIN, P.L.C.			TANNER,	TANNER, HARRY B	
1950 ROLAN RESTON, VA	D CLARKE PLACE A 20191		ART UNIT	PAPER NUMBER	
,			3744		
			DATE MAILED: 05/10/2006		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/726,622	PARK ET AL.				
		Examiner	Art Unit				
		Harry B. Tanner	3744				
The MAILING DATE of this Period for Reply	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communica	tion(s) filed on 08 Fe	bruary 2006.					
2a) ☐ This action is FINAL .							
3) Since this application is in	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
4)⊠ Claim(s) <u>1-28</u> is/are pending in the application.							
4a) Of the above claim(s) <u>1-6</u> is/are withdrawn from consideration.							
5)⊠ Claim(s) <u>24</u> is/are allowed.							
6)⊠ Claim(s) <u>7-23 and 25-28</u> is	6)⊠ Claim(s) <u>7-23 and 25-28</u> is/are rejected.						
7) Claim(s) is/are object	7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
<u> </u>	1. Certified copies of the priority documents have been received.						
 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage 							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) Notice of Draftsperson's Patent Drawing		Paper No(s)/Mail Da	te				
Information Disclosure Statement(s) (P Paper No(s)/Mail Date	TO-1449 or PTO/SB/08)	5) Notice of Informal Pa	atent Application (PTO-152)				

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Applicant's election of the invention of Group I in the reply filed on 2/8/06 is acknowledged. The traversal is on the ground(s) that is on the grounds that the examination of all the claims does not appear to be a serious burden on the Patent Office. This is not found persuasive because applicant has not distinctly and specifically pointed out the supposed errors in the restriction requirement.

The requirement is still deemed proper and is therefore made FINAL.

Claims 1-6 are withdrawn from further consideration pursuant to 37 CFR 1.142(b), as being drawn to a nonelected invention, there being no allowable generic or linking claim.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 7-23 and 25-28 rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 7 is indefinite and confusing because it recites a "defrosting device at a side of the outdoor heat exchanger, and a piping system connected between the <u>parts</u>". There is only one "part" recited in the claim and there is no recitation of any relationship of the defrosting device to the rest of the system or it's piping. The limitation recited at lines 19-22 of claim 7 regarding the third connection pipeline and its branch pipeline is further confusing.

Claim 24 is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Harry B. Tanner whose telephone number is (571) 272-

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4813. The examiner can normally be reached 8:30 am to 5:00 pm Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cheryl Tyler, can be reached on (571) 272-4834. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://portal.uspto.gov/external/portal/pair. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Harry B. Tanner Primary Examiner Art Unit 3744

Hoy & Mann